Date: Fri, 13 May 94 10:31:05 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #520
To: Info-Hams

Info-Hams Digest Fri, 13 May 94 Volume 94 : Issue 520

Today's Topics:

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Thu, 12 May 1994 18:58:43 GMT
From: ihnp4.ucsd.edu!news.acns.nwu.edu!math.ohio-state.edu!magnus.acs.ohio-state.edu!csn!col.hp.com!srgenprp!alanb@network.ucsd.edu
Subject: A new type of ham radio club / station ....
To: info-hams@ucsd.edu

Stephan Bechtolsheim (svb@MCS.COM) wrote:
: I would like to run the following idea of starting a top-notch
: ham radio club by the net community.

: Here is my idea of a ham radio club: ...

: - Buy / rent some room somewhere.
: - Every member would have a key to that room.

:   - This room would be filled with state-of-the-art
:   equipment: ...

How about this:

     - Buy / rent room somewhere.
     - Only 2 or 3 technically competent members have the keys.
     - Every member has a UHF or microwave link to the mountaintop
       so s/he can operate the superstation from the comfort of
       his own home. The interface could be a PC running special
       software (virtual front panel) or even special hardware
       that would totally reproduce the front panel of the radio.

AL N1AL

Date: 11 May 94 08:34:58 EDT
From: galaxy.ucr.edu!library.ucla.edu!agate!howland.reston.ans.net!cs.utexas.edu!
swrinde!gatech!newsxfer.itd.umich.edu!jobone!lynx.unm.edu!pacs.sunbelt.net!
DDEPEW%CHM.TEC.SC.US@ihnp4.ucsd.edu
Subject: HAM RADIO RUDENESS
To: info-hams@ucsd.edu

I've been a ham for many years, and it's apalling the degree of rudeness
that has worked its way into a hobby which was once characterized by
courtesy and politeness. Apparently some hams think they "own"
certain frequencies for the exclusive use of themselves and their
buddies -- who usually don't identify themselves by callsign -- and
these guys get really incensed if anyone dares to "trespass" on their
frequencies! I always check to make sure a frequency is clear before
transmitting -- what kind of a fool wouldn't??? -- but it's kind of
hard to tell a frequency is "in use" if nobody has transmitted on it
for five minutes, wouldn't you say?

Also, the language is getting really foul...Fox Charlie Charlie needs to
be listening more closely!

Let's get back to some decency and courtesy on the bands, people!
This kind of garbage is for the CB crowd!

Dorr Depew
N4QIX

Date: Wed, 11 May 1994 12:44:30 GMT
From: ihnp4.ucsd.edu!galaxy.ucr.edu!library.ucla.edu!csulb.edu!csus.edu!

netcom.com!greg@network.ucsd.edu
Subject: Luck Hurder ... gone:(Why?
To: info-hams@ucsd.edu

In article <Bm4ulsN.yves1@delphi.com> YVES ALBERT <yves1@delphi.com> writes:
>The institutional response of the matter being a "League personnel matter"
>does not hold water. It would if ARRL were a private, for profit firm.

Alas, it does. The reality of being an employer in these times is that you must follow the going practices. And, like it or not, those practices include keeping your mouth shut as regards involuntary terminations for (what you think is) cause, unless you're talking to either your attorney or a government official. The practice applies whether you're IBM, the ARRL, or the Catholic Church; the law doesn't discriminate in protecting employees from their employers, and 'anything you [the employer] say can be used against you...'

That said, such rules cut both ways: while they protect the employee from being defamed, they also give villanous employers a convenient hiding place to avoid being held accountable by those to whom they supposedly are accountable (the public, members, stockholders, congregations, etc.).

The real answer is for concerned members to *demand* of their directors that Luck's boss convince a very cynical Board that what he did was the right thing to do. That's what the Directors are entrusted with. Heck, that's the whole reason that representative democracies exist... ...so that everyone doesn't have to hash over every issue.

>I don't know Luck personally but have spoken with him on occasion and
>know that he has worked very hard over the years. This is not the way to
>reward a hard working employee; a rule of reason should apply where
>bureaucratic rules are instituted. Somewhere along the line the Managers
>and bureaucrats have forgotten what the primary reason is for the existence
>of the organization itself!

We all know that organizations develop a life of their own over the years, along with certain pathologies. It's fair to say that the ARRL has a real problem with control issues, and it sounds to me that Luck's experience is a good example of this.

It is my impression that a few back-office suits were concerned about staff participation in this forum... ...I note that other ARRL staffers have somewhat altered the character of their participation since the Luck Hurder dismissal.

Unfortunately, I'm afraid that these largely faceless folks on the ARRL payroll, who incidentally probably believe that they're supposed to 'run' things, have no clue as to how to use this medium as a tool,

and therefore responded incorrectly to its use. Yes, there are concerns when an individual staffer posting from HQ can editorialize to a circulation which rivals the distribution of the League's own official organ, QST. However, neither the Board nor the Senior staff, whom we never see here are equipped to understand the issues.

The right thing to do would have been to convene a group of hams who are familiar with the medium and with the League (perhaps headed up by someone like, oh, Bill Sohl) to come up with a set of policy guidelines for HQ staffers who wish to augment their responsiveness to the membership in the USENET forum. The guidelines could be sent to the Board for approval, and should be approved based on the Board's faith that their appointees know what they're doing.

That's one level, the question of the policy.

On the question of Luck's employment: well, it was clear that it was a somewhat stormy relationship, and that Luck was willing to shake the system a bit in order to get things done. The very fact that he was called in to sign some sort of promise in order to retain his employment indicates that the relationship had gone pretty badly south. The 'wild ducks' in any organization are important; but they also tend to lose their effectiveness after a while, and need to migrate. Otherwise, they cease to be wild ducks! The ARRL is in a tough position--- ---can it allow staff members tell the management 'no' on questions of policy? Even when the policy is wrong, or stupid, isn't it the job of the staff to do as directed? I know it's not that simple. It never is.

I suspect that we haven't seen the last of Mr. Hurder. People like himself tend to convert setbacks into opportunities.

Greg

Date: 13 May 94 14:01:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: ORBS$133.2L.AMSAT
To: info-hams@ucsd.edu

SB KEPS @ AMSAT $ORBS-133.N
2Line Orbital Elements 133.AMSAT

HR AMSAT ORBITAL ELEMENTS FOR AMATEUR SATELLITES IN NASA FORMAT
FROM WA5QGD FORT WORTH,TX May 13, 1994
BID: $ORBS-133.N

DECODE 2-LINE ELSETS WITH THE FOLLOWING KEY:

1 AAAAAU 00 0 0 BBBBB.BBBBBBBB .CCCCCCCC 00000-0 00000-0 0 DDDZ
2 AAAAA EEE.EEEE FFF.FFFF GGGGGGG HHH.HHHH III.IIII JJ.JJJJJJJJKKKKKZ
KEY: A-CATALOGNUM B-EPOCHTIME C-DECAY D-ELSETNUM E-INCLINATION F-RAAN
G-ECCENTRICITY H-ARGPERIGEE I-MNANOM J-MNMOTION K-ORBITNUM Z-CHECKSUM

TO ALL RADIO AMATEURS BT

AO-10
1 14129U 83058B   94130.80459721 -.00000016 00000-0 10000-3 0 2775
2 14129 27.1382 328.2037 6020986 177.1779 188.9849 2.05880044 82016
UO-11
1 14781U 84021B   94129.54582830 .00000211 00000-0 43582-4 0 6870
2 14781 97.7882 146.0792 0012814 37.7565 322.4528 14.69203696544636
RS-10/11
1 18129U 87054A   94130.08415553 -.00000000 00000-0 -16999-4 0 8969
2 18129 82.9265 357.0128 0012666 123.6132 236.6238 13.72335938344689
AO-13
1 19216U 88051B   94126.28995779 -.00000321 00000-0 10000-4 0 9092
2 19216 57.8344 254.1456 7210927 340.7734   2.0051 2.09721388 45136
FO-20
1 20480U 90013C   94129.46561045 -.00000008 00000-0 46937-4 0 6824
2 20480 99.0315 288.6150 0541341 67.1736 298.5600 12.83225679199162
AO-21
1 21087U 91006A   94129.16206480 .00000094 00000-0 82657-4 0 4626
2 21087 82.9448 171.5920 0034734 189.9860 170.0610 13.74538981164221
RS-12/13
1 21089U 91007A   94129.20675370 .00000050 00000-0 36812-4 0 6853
2 21089 82.9235 40.3573 0027928 215.5272 144.4021 13.74040261163290
ARSENE
1 22654U 93031B   94124.94294243 -.00000120 00000-0 00000 0 0 2516
2 22654   1.7729 101.4452 2921942 180.0752 180.1868 1.42202361   582
UO-14
1 20437U 90005B   94130.22723062 .00000037 00000-0 31238-4 0 9879
2 20437 98.5905 215.5169 0010604 307.4689 52.5521 14.29841089224162
AO-16
1 20439U 90005D   94128.25497686 .00000011 00000-0 21186-4 0 7861
2 20439 98.5994 214.7636 0010995 314.3356 45.6923 14.29894655223898
DO-17
1 20440U 90005E   94131.78158643 .00000038 00000-0 31885-4 0 7868
2 20440 98.5998 218.5557 0010905 302.2194 57.7929 14.30034790224412
WO-18
1 20441U 90005F   94130.21693527 .00000032 00000-0 29330-4 0 7889
2 20441 98.6000 217.0145 0011444 307.1754 52.8393 14.30009020224194
LO-19
1 20442U 90005G   94129.77786521 .00000032 00000-0 29460-4 0 7857
2 20442 98.5980 216.8261 0011803 308.0215 51.9900 14.30104622224141
UO-22
1 21575U 91050B   94130.18555526 .00000044 00000-0 29276-4 0 4891

2 21575 98.4367 205.4461 0008631 47.4109 312.7787 14.36912298147624
KO-23
1 22077U 92052B   94130.06403504 -.00000037 00000-0 10000-3 0 3848
2 22077 66.0874 359.8032 0013522 299.1158 60.8506 12.86285570 81883
AO-27
1 22825U 93061C   94130.24943309 .00000025 00000-0 27856-4 0 2834
2 22825 98.6559 206.4353 0008740 326.4316 33.6296 14.27621773 32273
IO-26
1 22826U 93061D   94129.74262760 .00000014 00000-0 23562-4 0 2831
2 22826 98.6558 205.9657 0009156 329.5650 30.5000 14.27724911 32201
KO-25
1 22830U 93061H   94129.90200328 -.00000051 00000-0 -31490-5 0 2884
2 22830 98.5572 203.7809 0010466 291.7365 68.2605 14.28050062 32237
NOAA-9
1 15427U 84123A   94128.03936387 .00000067 00000-0 60047-4 0 8094
2 15427 99.0568 178.0512 0014980 337.0876 22.9626 14.13612360484671
NOAA-10
1 16969U 86073A   94125.88441476 .00000029 00000-0 30372-4 0 7075
2 16969 98.5081 136.1764 0014034 90.8018 269.4770 14.24882212396580
MET-2/17
1 18820U 88005A   94129.86989783 .00000056 00000-0 36966-4 0 2856
2 18820 82.5388 299.0667 0015532 292.3795 67.5722 13.84714788317053
MET-3/2
1 19336U 88064A   94130.10094705 .00000051 00000-0 10000-3 0 2826
2 19336 82.5422 350.6395 0017952   2.3151 357.8054 13.16967136278242
NOAA-11
1 19531U 88089A   94128.98316958 .00000115 00000-0 86623-4 0 6279
2 19531 99.1712 116.9385 0010774 244.3291 115.6768 14.12982863289688
MET-2/18
1 19851U 89018A   94128.61495168 .00000039 00000-0 21682-4 0 2835
2 19851 82.5207 175.4687 0014032 345.4777 14.5979 13.84363928262210
MET-3/3
1 20305U 89086A   94132.18115516 .00000044 00000-0 10000-3 0   418
2 20305 82.5507 294.8736 0008418 29.4369 330.7138 13.04416136218209
MET-2/19
1 20670U 90057A   94130.28204066 .00000024 00000-0 79036-5 0 7861
2 20670 82.5442 238.5653 0014273 254.5376 105.4195 13.84188298195375
FY-1/2
1 20788U 90081A   94131.48858561 .00000310 00000-0 23360-3 0 9627
2 20788 98.8363 152.7904 0016367 108.3552 251.9393 14.01329946188568
MET-2/20
1 20826U 90086A   94128.53528912 .00000054 00000-0 35061-4 0 7941
2 20826 82.5254 177.5273 0014067 152.4733 207.7173 13.83580427182279
MET-3/4
1 21232U 91030A   94129.56143810 .00000050 00000-0 10000-3 0 6925
2 21232 82.5433 196.8958 0011950 287.1445 72.8364 13.16461966146273
NOAA-12
1 21263U 91032A   94129.08330723 .00000166 00000-0 93676-4 0   337

```
2 21263  98.6209 157.7171 0013201 354.9703   5.1342 14.22401393154977
MET-3/5
1 21655U 91056A   94129.53530609  .00000051  00000-0  10000-3 0  7017
2 21655  82.5504 144.0423 0011555 303.1968  56.8052 13.16829666131379
MET-2/21
1 22782U 93055A   94128.35976126  .00000052  00000-0  34592-4 0  2948
2 22782  82.5472 237.9869 0022594 341.8215  18.2132 13.83005246 34580
POSAT
1 22829U 93061G   94128.71536653  .00000027  00000-0  28744-4 0  2768
2 22829  98.6520 204.9673 0009569 317.8501  42.1930 14.28022544 32062
MIR
1 16609U 86017A   94131.09083626  .00003958  00000-0  56295-4 0  5921
2 16609  51.6479  11.9597 0014199 242.6758 117.2790 15.58953465470263
HUBBLE
1 20580U 90037B   94132.19674090  .00000550  00000-0  39722-4 0  4788
2 20580  28.4681 107.1507 0006308  73.5349 286.5928 14.90597492 24012
GRO
1 21225U 91027B   94128.76775695  .00002590  00000-0  55267-4 0   904
2 21225  28.4612 145.7505 0004131 127.4927 232.6036 15.40755304 50859
UARS
1 21701U 91063B   94129.90242006  .00002997  00000-0  28246-3 0  5165
2 21701  56.9885 312.4941 0005325  97.2687 262.8951 14.96511937145203
/EX

------------------------------

Date: 13 May 94 13:57:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: ORBS$133.MICRO.AMSAT
To: info-hams@ucsd.edu

SB KEPS @ AMSAT  $ORBS-133.D
Orbital Elements  133.MICROS

HR AMSAT ORBITAL ELEMENTS FOR THE MICROSATS
FROM WA5QGD FORT WORTH,TX May 13, 1994
BID: $ORBS-133.D
TO ALL RADIO AMATEURS BT

Satellite: UO-14
Catalog number: 20437
Epoch time:      94130.22723062
Element set:     987
Inclination:       98.5905 deg
RA of node:       215.5169 deg
Eccentricity:    0.0010604
Arg of perigee:   307.4689 deg
Mean anomaly:      52.5521 deg
```

```
Mean motion:   14.29841089 rev/day
Decay rate:        3.7e-07 rev/day^2
Epoch rev:           22416
Checksum:              301

Satellite: AO-16
Catalog number: 20439
Epoch time:      94128.25497686
Element set:     786
Inclination:       98.5994 deg
RA of node:       214.7636 deg
Eccentricity:    0.0010995
Arg of perigee:   314.3356 deg
Mean anomaly:      45.6923 deg
Mean motion:   14.29894655 rev/day
Decay rate:        1.1e-07 rev/day^2
Epoch rev:           22389
Checksum:              358

Satellite: DO-17
Catalog number: 20440
Epoch time:      94131.78158643
Element set:     786
Inclination:       98.5998 deg
RA of node:       218.5557 deg
Eccentricity:    0.0010905
Arg of perigee:   302.2194 deg
Mean anomaly:      57.7929 deg
Mean motion:   14.30034790 rev/day
Decay rate:        3.8e-07 rev/day^2
Epoch rev:           22441
Checksum:              321

Satellite: WO-18
Catalog number: 20441
Epoch time:      94130.21693527
Element set:     788
Inclination:       98.6000 deg
RA of node:       217.0145 deg
Eccentricity:    0.0011444
Arg of perigee:   307.1754 deg
Mean anomaly:      52.8393 deg
Mean motion:   14.30009020 rev/day
Decay rate:        3.2e-07 rev/day^2
Epoch rev:           22419
Checksum:              262

Satellite: LO-19
```

```
Catalog number: 20442
Epoch time:      94129.77786521
Element set:     785
Inclination:       98.5980 deg
RA of node:       216.8261 deg
Eccentricity:    0.0011803
Arg of perigee:   308.0215 deg
Mean anomaly:      51.9900 deg
Mean motion:   14.30104622 rev/day
Decay rate:        3.2e-07 rev/day^2
Epoch rev:           22414
Checksum:              283

Satellite: UO-22
Catalog number: 21575
Epoch time:      94130.18555526
Element set:     489
Inclination:       98.4367 deg
RA of node:       205.4461 deg
Eccentricity:    0.0008631
Arg of perigee:    47.4109 deg
Mean anomaly:     312.7787 deg
Mean motion:   14.36912298 rev/day
Decay rate:        4.4e-07 rev/day^2
Epoch rev:           14762
Checksum:              320

Satellite: KO-23
Catalog number: 22077
Epoch time:      94130.06403504
Element set:     384
Inclination:       66.0874 deg
RA of node:       359.8032 deg
Eccentricity:    0.0013522
Arg of perigee:   299.1158 deg
Mean anomaly:      60.8506 deg
Mean motion:   12.86285570 rev/day
Decay rate:       -3.7e-07 rev/day^2
Epoch rev:            8188
Checksum:              302

Satellite: AO-27
Catalog number: 22825
Epoch time:      94130.24943309
Element set:     283
Inclination:       98.6559 deg
RA of node:       206.4353 deg
Eccentricity:    0.0008740
```

```
Arg of perigee:   326.4316 deg
Mean anomaly:      33.6296 deg
Mean motion:   14.27621773 rev/day
Decay rate:        2.5e-07 rev/day^2
Epoch rev:            3227
Checksum:              302

Satellite: IO-26
Catalog number: 22826
Epoch time:      94129.74262760
Element set:     283
Inclination:       98.6558 deg
RA of node:       205.9657 deg
Eccentricity:    0.0009156
Arg of perigee:   329.5650 deg
Mean anomaly:      30.5000 deg
Mean motion:   14.27724911 rev/day
Decay rate:        1.4e-07 rev/day^2
Epoch rev:            3220
Checksum:              295

Satellite: KO-25
Catalog number: 22830
Epoch time:      94129.90200328
Element set:     288
Inclination:       98.5572 deg
RA of node:       203.7809 deg
Eccentricity:    0.0010466
Arg of perigee:   291.7365 deg
Mean anomaly:      68.2605 deg
Mean motion:   14.28050062 rev/day
Decay rate:       -5.1e-07 rev/day^2
Epoch rev:            3223
Checksum:              287

/EX

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Date: 13 May 94 13:56:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: ORBS$133.OSCAR.AMSAT
To: info-hams@ucsd.edu

SB KEPS @ AMSAT  $ORBS-133.O
Orbital Elements  133.OSCAR

HR AMSAT ORBITAL ELEMENTS FOR OSCAR SATELLITES
```

FROM WA5QGD FORT WORTH,TX May 13, 1994
BID: $ORBS-133.O
TO ALL RADIO AMATEURS BT

Satellite: AO-10
Catalog number: 14129
Epoch time: 94130.80459721
Element set: 277
Inclination: 27.1382 deg
RA of node: 328.2037 deg
Eccentricity: 0.6020986
Arg of perigee: 177.1779 deg
Mean anomaly: 188.9849 deg
Mean motion: 2.05880044 rev/day
Decay rate: -1.6e-07 rev/day^2
Epoch rev: 8201
Checksum: 313

Satellite: UO-11
Catalog number: 14781
Epoch time: 94129.54582830
Element set: 687
Inclination: 97.7882 deg
RA of node: 146.0792 deg
Eccentricity: 0.0012814
Arg of perigee: 37.7565 deg
Mean anomaly: 322.4528 deg
Mean motion: 14.69203696 rev/day
Decay rate: 2.11e-06 rev/day^2
Epoch rev: 54463
Checksum: 331

Satellite: RS-10/11
Catalog number: 18129
Epoch time: 94130.08415553
Element set: 896
Inclination: 82.9265 deg
RA of node: 357.0128 deg
Eccentricity: 0.0012666
Arg of perigee: 123.6132 deg
Mean anomaly: 236.6238 deg
Mean motion: 13.72335938 rev/day
Decay rate: -.00000000 rev/day^2
Epoch rev: 34468
Checksum: 295

Satellite: AO-13
Catalog number: 19216

```
Epoch time:      94126.28995779
Element set:     909
Inclination:       57.8344 deg
RA of node:       254.1456 deg
Eccentricity:    0.7210927
Arg of perigee:   340.7734 deg
Mean anomaly:       2.0051 deg
Mean motion:    2.09721388 rev/day
Decay rate:      -3.21e-06 rev/day^2
Epoch rev:            4513
Checksum:              311

Satellite: FO-20
Catalog number: 20480
Epoch time:      94129.46561045
Element set:     682
Inclination:       99.0315 deg
RA of node:       288.6150 deg
Eccentricity:    0.0541341
Arg of perigee:    67.1736 deg
Mean anomaly:     298.5600 deg
Mean motion:   12.83225679 rev/day
Decay rate:       -8.0e-08 rev/day^2
Epoch rev:           19916
Checksum:              315

Satellite: AO-21
Catalog number: 21087
Epoch time:      94129.16206480
Element set:     462
Inclination:       82.9448 deg
RA of node:       171.5920 deg
Eccentricity:    0.0034734
Arg of perigee:   189.9860 deg
Mean anomaly:     170.0610 deg
Mean motion:   13.74538981 rev/day
Decay rate:        9.4e-07 rev/day^2
Epoch rev:           16422
Checksum:              310

Satellite: RS-12/13
Catalog number: 21089
Epoch time:      94129.20675370
Element set:     685
Inclination:       82.9235 deg
RA of node:        40.3573 deg
Eccentricity:    0.0027928
Arg of perigee:   215.5272 deg
```

```
Mean anomaly:     144.4021 deg
Mean motion:   13.74040261 rev/day
Decay rate:        5.0e-07 rev/day^2
Epoch rev:           16329
Checksum:              285

Satellite: ARSENE
Catalog number: 22654
Epoch time:      94124.94294243
Element set:     251
Inclination:        1.7729 deg
RA of node:       101.4452 deg
Eccentricity:    0.2921942
Arg of perigee:   180.0752 deg
Mean anomaly:     180.1868 deg
Mean motion:    1.42202361 rev/day
Decay rate:      -1.20e-06 rev/day^2
Epoch rev:              58
Checksum:              258

/EX

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Date: 13 May 94 13:58:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: ORBS$133.WEATH.AMSAT
To: info-hams@ucsd.edu

SB KEPS @ AMSAT  $ORBS-133.W
Orbital Elements  133.WEATHER

HR AMSAT ORBITAL ELEMENTS FOR WEATHER SATELLITES
FROM WA5QGD FORT WORTH,TX May 13, 1994
BID: $ORBS-133.W
TO ALL RADIO AMATEURS BT

Satellite: NOAA-9
Catalog number: 15427
Epoch time:      94128.03936387
Element set:     809
Inclination:       99.0568 deg
RA of node:       178.0512 deg
Eccentricity:    0.0014980
Arg of perigee:   337.0876 deg
Mean anomaly:      22.9626 deg
Mean motion:   14.13612360 rev/day
Decay rate:        6.7e-07 rev/day^2
```

```
Epoch rev:           48467
Checksum:              332

Satellite: NOAA-10
Catalog number: 16969
Epoch time:      94125.88441476
Element set:     707
Inclination:       98.5081 deg
RA of node:       136.1764 deg
Eccentricity:    0.0014034
Arg of perigee:    90.8018 deg
Mean anomaly:     269.4770 deg
Mean motion:   14.24882212 rev/day
Decay rate:        2.9e-07 rev/day^2
Epoch rev:           39658
Checksum:              328

Satellite: MET-2/17
Catalog number: 18820
Epoch time:      94129.86989783
Element set:     285
Inclination:       82.5388 deg
RA of node:       299.0667 deg
Eccentricity:    0.0015532
Arg of perigee:   292.3795 deg
Mean anomaly:      67.5722 deg
Mean motion:   13.84714788 rev/day
Decay rate:        5.6e-07 rev/day^2
Epoch rev:           31705
Checksum:              371

Satellite: MET-3/2
Catalog number: 19336
Epoch time:      94130.10094705
Element set:     282
Inclination:       82.5422 deg
RA of node:       350.6395 deg
Eccentricity:    0.0017952
Arg of perigee:     2.3151 deg
Mean anomaly:     357.8054 deg
Mean motion:   13.16967136 rev/day
Decay rate:        5.1e-07 rev/day^2
Epoch rev:           27824
Checksum:              287

Satellite: NOAA-11
Catalog number: 19531
Epoch time:      94128.98316958
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Element set:     627
Inclination:       99.1712 deg
RA of node:       116.9385 deg
Eccentricity:    0.0010774
Arg of perigee:   244.3291 deg
Mean anomaly:     115.6768 deg
Mean motion:   14.12982863 rev/day
Decay rate:       1.15e-06 rev/day^2
Epoch rev:           28968
Checksum:              343

Satellite: MET-2/18
Catalog number: 19851
Epoch time:      94128.61495168
Element set:     283
Inclination:       82.5207 deg
RA of node:       175.4687 deg
Eccentricity:    0.0014032
Arg of perigee:   345.4777 deg
Mean anomaly:      14.5979 deg
Mean motion:   13.84363928 rev/day
Decay rate:        3.9e-07 rev/day^2
Epoch rev:           26221
Checksum:              339

Satellite: MET-3/3
Catalog number: 20305
Epoch time:      94132.18115516
Element set:      41
Inclination:       82.5507 deg
RA of node:       294.8736 deg
Eccentricity:    0.0008418
Arg of perigee:    29.4369 deg
Mean anomaly:     330.7138 deg
Mean motion:   13.04416136 rev/day
Decay rate:        4.4e-07 rev/day^2
Epoch rev:           21820
Checksum:              274

Satellite: MET-2/19
Catalog number: 20670
Epoch time:      94130.28204066
Element set:     786
Inclination:       82.5442 deg
RA of node:       238.5653 deg
Eccentricity:    0.0014273
Arg of perigee:   254.5376 deg
Mean anomaly:     105.4195 deg
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Mean motion:   13.84188298 rev/day
Decay rate:        2.4e-07 rev/day^2
Epoch rev:           19537
Checksum:              318

Satellite: FY-1/2
Catalog number: 20788
Epoch time:      94131.48858561
Element set:     962
Inclination:       98.8363 deg
RA of node:       152.7904 deg
Eccentricity:    0.0016367
Arg of perigee:   108.3552 deg
Mean anomaly:     251.9393 deg
Mean motion:   14.01329946 rev/day
Decay rate:        3.10e-06 rev/day^2
Epoch rev:           18856
Checksum:              333

Satellite: MET-2/20
Catalog number: 20826
Epoch time:      94128.53528912
Element set:     794
Inclination:       82.5254 deg
RA of node:       177.5273 deg
Eccentricity:    0.0014067
Arg of perigee:   152.4733 deg
Mean anomaly:     207.7173 deg
Mean motion:   13.83580427 rev/day
Decay rate:        5.4e-07 rev/day^2
Epoch rev:           18227
Checksum:              310

Satellite: MET-3/4
Catalog number: 21232
Epoch time:      94129.56143810
Element set:     692
Inclination:       82.5433 deg
RA of node:       196.8958 deg
Eccentricity:    0.0011950
Arg of perigee:   287.1445 deg
Mean anomaly:      72.8364 deg
Mean motion:   13.16461966 rev/day
Decay rate:        5.0e-07 rev/day^2
Epoch rev:           14627
Checksum:              314

Satellite: NOAA-12
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Catalog number: 21263
Epoch time:      94129.08330723
Element set:      33
Inclination:       98.6209 deg
RA of node:       157.7171 deg
Eccentricity:    0.0013201
Arg of perigee:   354.9703 deg
Mean anomaly:       5.1342 deg
Mean motion:   14.22401393 rev/day
Decay rate:       1.66e-06 rev/day^2
Epoch rev:           15497
Checksum:              268

Satellite: MET-3/5
Catalog number: 21655
Epoch time:      94129.53530609
Element set:     701
Inclination:       82.5504 deg
RA of node:       144.0423 deg
Eccentricity:    0.0011555
Arg of perigee:   303.1968 deg
Mean anomaly:      56.8052 deg
Mean motion:   13.16829666 rev/day
Decay rate:        5.1e-07 rev/day^2
Epoch rev:           13137
Checksum:              286

Satellite: MET-2/21
Catalog number: 22782
Epoch time:      94128.35976126
Element set:     294
Inclination:       82.5472 deg
RA of node:       237.9869 deg
Eccentricity:    0.0022594
Arg of perigee:   341.8215 deg
Mean anomaly:      18.2132 deg
Mean motion:   13.83005246 rev/day
Decay rate:        5.2e-07 rev/day^2
Epoch rev:            3458
Checksum:              309

/EX

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Date: Wed, 11 May 1994 20:34:40 GMT
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!iat.holonet.net!crystal!
david.siglin@network.ucsd.edu
```

Subject: Press Release
To: info-hams@ucsd.edu

Date: Thu, 12 May 1994 09:32:36 MDT
From: ihnp4.ucsd.edu!newshub.sdsu.edu!nic-nac.CSU.net!usc!howland.reston.ans.net!
gatech!newsxfer.itd.umich.edu!nntp.cs.ubc.ca!alberta!ve6mgs!
usenet@network.ucsd.edu
Subject: US License Examination Opportunities Scheduled 5/12/94 to 9/12/94
To: info-hams@ucsd.edu

AMATEUR RADIO EXAMINATION OPPORTUNITIES

****

Special Note: Amateur Radio licenses usually arrive between 8 and
    10 weeks after the test session. The FCC considers their
    processing time to be 90 days--from the date they receive the
    application. The FCC usually receives the application one
    to two weeks after the test session (once the VE Team and the
    coordinating VEC have completed their processing).

Note: Codeless Technician to Technician w/HF upgraders (who pass a
    Morse code test) will not receive a new license from the FCC.
    The existing Technician license plus the CSCE conveying the Morse
    code test credit is the only documentation issued for use of
    the additional HF privileges.

****

The following test session information is provided by the
ARRL/VEC for the upcoming six to eight week period. For
further information, please contact the test session CONTACT
PERSON at the telephone number provided. If necessary, you
may contact the ARRL/VEC at 203-666-1541 x282 for additional
information. Electronic mail may be forwarded to the ARRL/VEC
via USENET at "bjahnke@arrl.org" or via MCI Mail to
MCI ID: 653-2312 or 215-5052.

Although the test session information presented here does
not indicate whether walk-ins are accepted or not, most test
sessions do allow walk-ins. We encourage you, however, to

always contact the CONTACT PERSON at the telephone number provided so that the VE Team is aware that you be attending the test session.

STILL NEED TO PREPARE FOR YOUR EXAM?

If you would like information on how to become licensed; or how to locate Amateur Radio clubs, instructors, licensing classes and/or Novice examiners in your area; please contact the ARRL Educational Activities Department (EAD) at 203-666-1541 x219. The EAD can also provide information on recommended study materials. Electronic mail may be forwarded to the ARRL EAD via USENET at "rwhite@arrl.org" or via MCI Mail to MCI ID: 215-5052.

EXAM LISTINGS - DEFINITION OF FIELDS

STATE
Test Date,VEC,City,,Contact Phone,Contact Person

The SECOND field in the following listing specifies the VEC which is coordinating this examination. This single-character designator denotes the VEC as defined below. An "A" (for example) indicates that this examination is coordinated by the ARRL/VEC.

For further information on any examinations listed, or if you do not find any examinations listed for your area, you may contact any of the coordinating VECs below.

A = ARRL/VEC, 225 Main St, Newington, CT 06111; (d) 203-666-1541
The 1994 test fee is $5.75.

X = Anchorage ARC, 2628 Turnagain Parkway, Anchorage, AK 99517;
(d) 907-786-8121, (n) 907-243-2221 (or) 907-276-5121
(or) 907-274-5546

C = Central Alabama VEC, 1215 Dale Dr SE, Huntsville, AL 35801;
205-536-3904

N = Charlotte VEC, 227 Bennett Ln, Charlotte, NC 28213;
704-596-2168

D = Great Lakes ARC VEC Inc., 3040 Harrison St, Glenview, IL 60025;
708-486-8019

E = Golden Empire ARS, PO Box 508, Chico, CA 95927; No phone.

G = Greater Los Angeles ARG, 9737 Noble Ave, Sepulveda, CA 91343;
818-892-2068, 805-822-1473.

J = Jefferson ARC, PO Box 24368, New Orleans, LA 70184-4368;
504-737-2315. Test fee for 1994 is $5.00.

K = Koolau ARC, 45-529 Nakuluai St, Kaneohe, HI 96744;
808-235-4132

L = Laurel ARC Inc., PO Box 3039, Laurel, MD 20709-0039;
(d) 301-572-5124, 301-317-7819, (n) 301-588-3924

M = The Milwaukee RAC Inc., 1737 N 116th St, Wauwatosa, WI 53226;
414-774-6999. Test fee for 1994 is $5.00.

H = Mountain ARC, PO Box 10, Burlington, WV 26710; 304-289-3576,
301-724-0674

P = PHD ARA Inc., PO Box 11, Liberty, MO 64068; 816-781-7313

R = Sandarc-VEC, PO Box 2446, La Mesa, CA 91943-2446; 619-465-3926

S = Sunnyvale VEC ARC, PO Box 60307, Sunnyvale, CA 94088-0307;
408-255-9000

T = Triad Emergency ARC, 3504 Stonehurst Pl, High Point, NC 27265;
919-841-7576

W = Western Carolinas ARS VEC, 5833 Clinton Hwy - Suite 203,
Knoxville, TN 37912-2500; 615-688-7771.
The 1994 test fee is $5.75.

5 = W5YI-VEC, PO Box 565101, Dallas, TX 75356-5101; 817-461-6443
The 1994 test fee is $5.75.

EXAMINATION OPPORTUNITIES OUTSIDE THE UNITED STATES:

AMERICAN SOMOA
05/14/94,A,Mapusaga Village,,684-699-2420,Michael Homsany
07/09/94,A,Mapusaga Village,,684-699-2420,Michael Homsany

CUBA
05/14/94,A,Guantanamo Bay,,011-5399-7175,Greg R Gabry

ENGLAND
05/14/94,A,England,,081-902-5995,Yves a g Remedios

GERMANY
07/09/94,A,Germany,,49-0-67253462,Stephen Hutchins, KN6G

JAPAN
05/14/94,A,Japan,,098-633-1728,Alice Kottmyer
05/14/94,A,Tokyo JAPAN,,81-3-53953106,Jay Oka

PAPUA NEW GUINEA
06/18/94,A,Papua New Guinea,,,Kyle Harris KE9TZ

PUERTO RICO
05/28/94,A,San Juan,,809-789-4998,Victor Madero
06/25/94,A,San Juan,,809-789-4998,Victor Madero
07/30/94,A,San Juan,,809-789-4998,Victor Madero
08/27/94,A,San Juan,,809-789-4998,Victor Madero

US VIRGIN ISLANDS
05/14/94,A,ST Thomas,,809-774-4740,Ronald A Hall Sr
05/21/94,A,St Croix,,809-778-3156,Frank Jaeger
07/09/94,A,St Croix,,809-778-3156,Frank Jaeger
08/13/94,A,ST Thomas,,809-774-4740,Ronald A Hall Sr

*EOF

Date: (null)
From: (null)
1. Hi, The name here is David, I would like to announce the availiblity of a new product called the Handy Holder, This product will enable you to secure your handy or scanner in your vehicle without the worry that a sharp turn will cause it to go slidding in the other direction.!
  In addition this product is designed to allow maximum use of all controls and allows for power cables to be attached (giving you max Wattage).... Please find this product in the July Issue of CQ Mag. or call (901) 476-7171 during business hrs (CDT) for more info also you may leave E-MAil for DAvid Siglin on this system or on Prodigy (UWKJ62a) for info.

Thanks in advance
 Dave

End of Info-Hams Digest V94 #520
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